MPLAY-HD 1080P Digital Media Player
Owner's Manual

Attention Customers!

Thank you for purchasing a Micca product. Should you have any enquiries or need assistance, please contact our technical support team before contacting the store for assistance: email support@miccastore.com

Most common questions and answers regarding this product can be found at the following FAQ: http://content.miccastore.com/faq

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1 Introduction

1.1 Features

Thank you very much for purchasing this media player. We hope you will enjoy using it as a great home entertainment device. This player has the following functionality:

1.1.1 A/V Output

- HDMI V1.3 for high-definition video and digital audio
- Composite and component video with stereo audio for analog AV connection
- S/PDIF coaxial interface for high-fidelity digital audio
- Adjustable video output resolution (NTSC, PAL, 480p, 720p, 1080i, 1080p)

1.1.2 Multimedia Playback

- Supports major audio, video and image file formats (1080p HD video decoding)
- Video format: AVI, MKV, TS, TP, TRP, M2TS, M2T, MPG, MP4, M4V, MOV, VOB, ISO, IFO, DAT, WMV, ASF, RM, RMVB, FLV
- Video codec: H.264/AVC, VC-1(WMV9-HD), MPEG1/2/4, DivX, Xvid, RV8/9/10
- Audio format: MP3, OGG, WMA, WAV, AAC, FLAC, AC3, DTS, True-HD, DTS-MA/HR
- Photo format: JPEG, BMP, GIF, TIF, PNG

1.1.3 Subtitle Display

- Displays SRT, SMI, SUB, SSA, IDX+SUB subtitle files
- Supports embedded or external subtitle files
- Adjustable subtitle size, color, location, time sync, and encoding

1.1.4 Storage Devices

- Play files from USB flash drives, USB hard disk drives, and SD/SDHC flash memory cards.
- Automatically scans storage devices and
- Supports copying & moving files among Card, USB, and HDD
- Supports FAT16, FAT32, NTFS, and EXT3

1.1.5 USB 2.0 Support

- USB HOST ports (2) for connecting USB storage devices

Note: All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

1.2 Packing List

Part	Quantity
Media Player	1
A/V cable	1
Remote Control	1
AC/DC adapter	1
User Manual (printed)	1

Note: The actual contents in the package might be different from the packing list in this manual.

1.3 Precautions

This player's design has your safety in mind. In order to safely and effectively use this player, please read the following before usage.

1.3.1 Usage Cautions

Users should not modify this player. If a commercial hard disk drive is being used, the environmental temperature should be between 40 to 95 degrees Fahrenheit.

1.3.2 Power

The player's power supply voltage is DC 5V 2.5A.

When using this player, please connect the supplied AC adapter or AC adapter cable to the player's power jack. When placing the adapter cable, make sure it is not damaged or subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the player in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

1.3.3 Radio Interference

- If not properly shielded, almost all electronic devices will get radio interference. Under some conditions, your player might get interference.
- The design of this player has followed the FCC/CE standard, and adheres to the following rules:
  1) This player may not cause harmful interference;
  2) This player could accept some interference received including interference that may cause undesired operation.

1.3.4 Repair

If the player has a problem, you should take it to an appointed repair center and let the specialists do the repair, never repair the player yourself, you might damage the player or endanger yourself or your data.

1.3.5 Disposing of the Player

When you dispose of the player, be sure to dispose it appropriately. Some countries may regulate disposal of electrical device, please consult with your local authority.

1.3.6 Hard Disk Cautions

The player uses external storage devices for data storage. New USB hard drives need to be properly formatted prior to use.

Users should carefully read the Frequently Asked Questions chapter and check our website for latest information before formatting the hard disk.

- Physical impact may damage the hard disk drive. When hard drive errors occur, please use CHKDSK to scan and fix problems.
- All data stored in the player may be lost due to physical impact, electrical shock, power lost, HDD format etc. Please backup your data.
- It is suggested to perform a disk defragment after a long period of usage.
- Regularly backup the data in the hard disk so that it can be recovered in the event of data corruption or loss. Our company takes no responsibility for loss of data stored on the hard disk.

1.3.7 Additional Precautions

When using this player, please do not let the player come into contact with water or other liquid. If water is accidentally spilled on the player, please use a dry cloth to absorb the spillage.

Electronic products are fragile. Please be gentle during use; avoid shaking or hitting the player, and do not press the buttons too hard.

- Do not let the player come into contact with water or other liquids.
- Do not disassemble, repair or change the design of the player, any damage done will not be included in the repair policy.
- Do not press the buttons of the player too hard.
- Avoid hitting the player with hard objects, shaking the player, and stay away from magnetic fields.
- Electrostatic discharge may cause the product to malfunction. When this happens, unplug the power cable and the product will return to normal operation next time it is powered on.

2 Layout Overview

2.1 Front Panel

The front panel contains indicator lights and the IR remote control sensor:

Name	Description
Stand By	A red LED that indicates when the player is in stand-by mode
IR Sensor	The sensor for receiving remote control commands
Power	A blue LED that indicates when the player is powered on
Button	Pressing the button toggles the player between powered on and stand-by mode.

2.2 Rear Panel

The rear panel of the player contains various audio and video connectors:

Name	Description
DC IN	DC power input, 5V 2.5A. Only use the AC adapter provided with the player.
CVBS/R/L	Composite video and analog Left/Right audio output to a TV or home theater with analog AV input.
COAXIAL	S/PDIF coaxial digital audio output to a TV or home theater with coaxial audio input.
Y/Pb/Pr	Component video output to a TV or home theater with component video input.
HDMI	Provides digital audio/video to a TV or home theater with HDMI input.

2.3 Side Panel

The side panel of the player contains storage device connectors:

Name	Description
USB HOST	Two connectors for connecting USB devices such as USB hard drives or USB flash drives.
Flash Card Reader	A memory card reader slot that supports SD/SDHC flash memory cards.

2.4 Remote Control

All player functions can be controlled by using the remote control. See the following for details on the function of each button.

1. POWER
2. MUTE
3. PREV
4. NEXT
5. HOME
6. FAST REWIND
7. FAST FORWARD
8. SLOW
9. RETURN
10. SETUP
11. NAVIGATION KEYS
12. OK/ENTER
13. VOLUME DOWN
14. VOLUME UP
15. GOTO
16. PLAY/PAUSE
17. STOP
18. REPEAT
19. TV SYSTEM
20. OPTION
21. ZOOM
22. DISPLAY
23. AUDIO
24. AV/YPBPR
25. A-B
26. SUBTITLE
27. RED
28. YELLOW
29. BLUE
30. GREEN

	Button	Description
1	POWER	Press to power on the player.
2	MUTE	Press to mute audio output; press again to unmute.
3	PREV	Press to go to the previous file when playing photos, music, or videos. Press to go up one page in the media browser.
4	NEXT	Press to go to the next file when playing photos, music, or videos. Press to go down one page in the media browser.
5	HOME	Press to view the home screen menu.
6	FAST REWIND	Press to fast rewind the current playback. Press repeatedly to change fast rewind speed.
7	FAST FORWARD	Press to fast forward the current playback. Press repeatedly to change fast forward speed.
8	SLOW	Press to playback in slow motion. Press the PLAY button to resume normal playback.
9	RETURN	Press to return to the previous screen when navigation menus. Press to exit the current folder when in the media browser.
10	SETUP	Press to **OK**/**ENTER** the setup menu for changing player settings.
11	NAVIGATION KEYS	Press the arrow buttons to highlight items whenever needed.
12	OK/ENTER	Press to proceed with the highlighted item.
13	VOLUME DOWN	Press to decrease the volume (set volume to max during normal use and use the TV or home theater receiver to control volume).
14	VOLUME UP	Press to increase the volume (set volume to max during normal use and use the TV or home theater receiver to control volume).
15	GOTO	Press to jump to a specific time mark when playing a video.
16	PLAY/PAUSE	Press to begin playback of media file.
17	STOP	Press to stop playback.
18	REPEAT	Press to set repeat option when viewing videos: repeat title, repeat all, and repeat off.
19	TV SYSTEM	Press to switch between available video output modes when using HDMI: 480p, 720p, 1080i, 1080p.
20	OPTION	Press to display optional settings when viewing video, listening to music, or displaying slideshow.

21	ZOOM	Press to zoom when viewing photos or playing videos. Photo zoom levels: 2x, 4x, 8x, 16x. Video zoom levels: 2x, 3x, 4x, 8x.
22	DISPLAY	Press to display information about the currently playing media file.
23	AUDIO	Press to display list of available audio tracks. Use the UP/DOWN arrow keys to select audio track and press OK/ENTER to confirm.
24	AV/YPbPr	Set the player's video output over Composite AV or YPbPr Component. Behavior can be changed in the Video settings menu.
25	A-B	Press to set A-B points when viewing a video and continuously loop between A and B.
26	SUBTITLE	Press to open the subtitle menu when viewing videos. Use the UP/DOWN/LEFT/RIGHT arrow keys to change subtitle language, size, position, time sync, encoding, color, and press OK/ENTER to confirm.
27	RED	Function changes based on context. Watch for prompts
28	YELLOW	Function changes based on context. Watch for prompts
29	BLUE	Function changes based on context. Watch for prompts
30	GREEN	Function changes based on context. Watch for prompts

3 Connections

3.1 Connecting the Power Supply

To connect power to the player:

1) Connect the barrel connector of the AC adapter to the player's DC IN jack
2) Connect the plug of the AC adapter to the power outlet

3.2 Connecting a USB Device

USB storage devices such as USB hard drives or USB flash drives can be connected to the player for playback of media files.

1) Power on the player.
2) Plug in the USB device to one of the USB HOST ports on the back of the player.
3) After about 5-10 seconds, the USB drive will be detected and can be accessed through the player.

Note: Please see section ***4.1.7 Scan Storage*** for important information regarding the player's media library function and automatic scanning of storage devices.

3.3 Connecting a Memory Card

Flash memory cards, including SD and SDHC, can be connected to the player for playback of media files.

1) Power on the player.
2) Insert the flash memory card into the card reader on the side of the player.
3) After about 5-10 seconds, the flash memory card will be detected and can be accessed through the player.

Note: Please see section ***4.1.7 Scan Storage*** for important information regarding the player's media library function and automatic scanning of storage devices.

3.4 Audio and Video Connections

The player can be connected to a TV/HDTV or home theater system in a variety of methods. For best results, always use the best method available for connection:

Results	Video	Audio	Requirement
Best	HDMI	HDMI	TV with HDMI input and home theater receiver that can decode Audio over HDMI.
Better	HDMI	Digital coaxial or optical	TV with HDMI input and home theater receiver with Coaxial audio input.
Good	Component	Digital coaxial or optical	TV with component input and home theater receiver with Coaxial audio input.

Okay	Composite	Analog L/R	TV with composite video and analog audio inputs.

3.4.1 HDMI Connection

HDMI provides the best possible video and audio connection. Use this connection whenever possible.

1) Plug one end of the HDMI cable to the player's HDMI output jack.
2) Plug the other end of the HDMI cable to your TV's HDMI input jack.
3) Please refer to section ***4.3.2 TV System*** for instructions on how to set the player's video output signal for best results.
4) Consult the TV's manual for configuring its inputs.

Note: If you have a home theater receiver with HDMI input and output jacks, connect the other end of the HDMI cable to an available HDMI input on the receiver instead of the TV. Consult the receiver's manual for configuring its inputs.

3.4.2 Digital Audio Connection

When using a home theater receiver or sound system that lacks HDMI input, the player's coaxial digital audio output can be used.

1) Plug one end of the coaxial cable to the player's digital audio jack.
2) Plug the other end of the coaxial cable to the home theater receiver or sound system's digital audio input jack.
3) Consult the receiver or sound system's manual for configuring its inputs.

3.4.3 Component Video Connection

When using a TV that does not have HDMI input but has component video, the player's component video output can be used.

1) Plug one end of the red/blue/green component video cable to the player's component video jacks.
2) Plug the other end of the red/blue/green component cable to an available component video input on the TV.
3) Please refer to sections ***4.3.7 CVBS/YPbPr Switch*** and ***4.3.2 TV System*** for instructions on how to set the player's video output signal for best results.
4) Consult the TV's manual for configuring its inputs.

Note: Component video connection only carries video signal. The audio signal must be connected separately, such as through digital coaxial/optical or analog AV connection.

3.4.4 Composite Video and Analog Audio Connection

When using a TV that only has composite video input, the player's composite video and analog audio output can be used.

1) Disconnect any existing HDMI connections from the player – the composite video output of the player is disabled when an HDMI connection is detected.
2) Plug the 3.5mm mini jack of the supplied red/white/yellow AV cable to the player's CVBS jack.
3) Plug the other end of the red/white/yellow AV cable to an available AV input on the TV.
4) Please refer to sections ***4.3.7 CVBS/YPbPr Switch*** and ***4.3.2 TV System*** for instructions on how to set the player's video output signal for best results.
5) Consult the TV's manual for configuring its inputs.

Note: Only use the 3.5mm-to-RCA cable supplied with this media player. There is no industry standard for 3.5mm-to-RCA cables so a different cable will not have the correct polarity and will not work correctly. Spare replacement cables are available if the cable becomes damaged or lost during use.

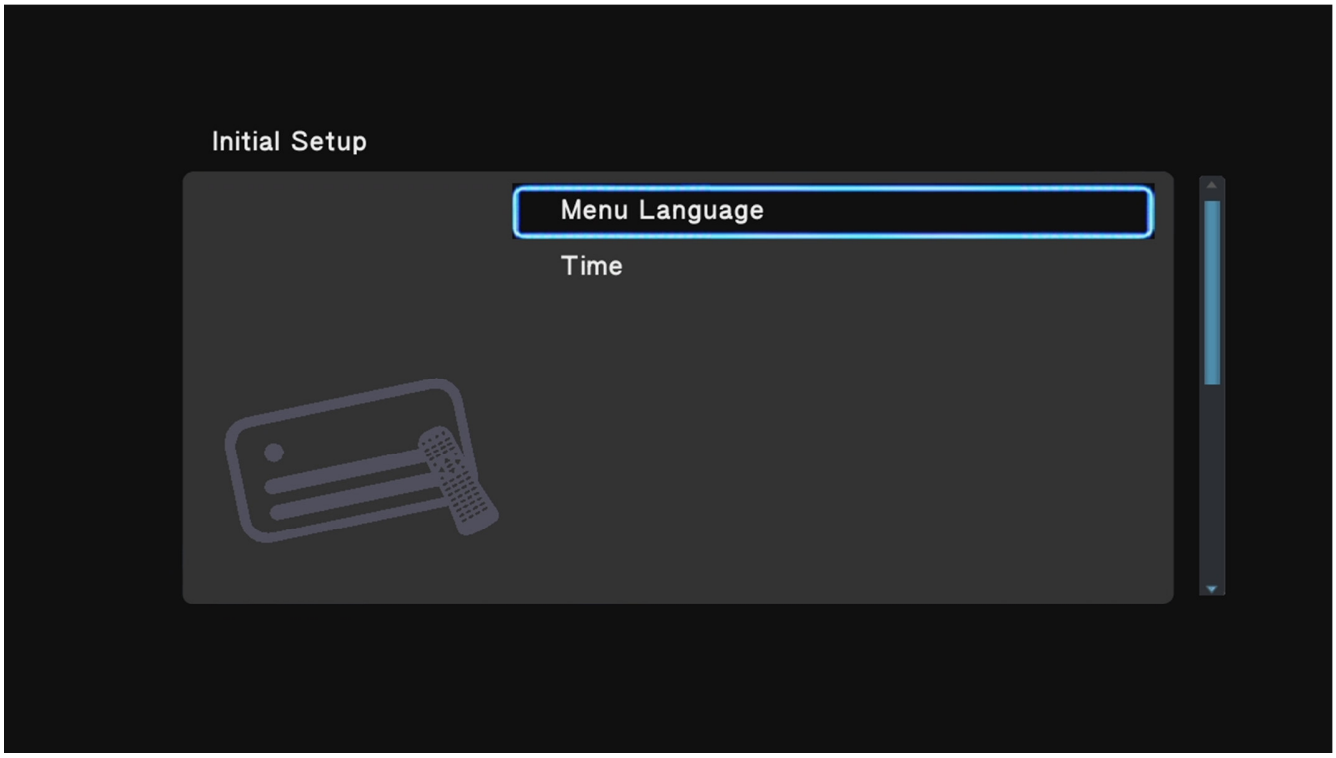
3.5 Power On/Off

3.5.1 Power On

After connecting the AC power adapter to the player's DC IN jack, the player will power on and the power indicator light on the front of the player will turn blue.

3.5.2 Initial Setup

The first time that the player is powered on, it may ask the user to configure the user interface language and time. After setting the language and time, the player is now ready for use.



3.5.3 Home Screen

After power on, the player will go through a start-up process and display the home screen.

For best results, refer to ***'4 Settings'*** to setup the player. If there is a storage device attached to the player, the player will automatically scan it for media files and build a media library. Please see section ***4.1.7 Scan Storage*** for important information regarding the player's media library function and automatic scanning of storage devices.

3.5.4 Stand By

Place the player into power saving Stand By mode when not in use. To place the player into Stand By, press the **POWER** button on the front of the player or on the remote control. The red Stand By indicator light will illuminate. To turn the player on, press the **POWER** button on the front of the player or on the remote control again.

4 Settings

The Setup menu allows users to personalize and configure usage preferences for the player. To go into the setup menu, select the Setup icon on the home screen, or press the **SETUP** button on the remote control.

There are four setting groups in the Setup menu, including System, Audio, Video, and Misc. Use the directional **LEFT**/**RIGHT** and **UP**/**DOWN** buttons on the remote control to select options and press **OK**/**ENTER** to confirm setting changes. To cancel a setting change, press the **RETURN** button.

4.1 System Settings

4.1.1 Menu Language

The player's user interface and menu system can be presented in a variety of different language settings. Note that this setting is only for the player's user interface and does not affect the language of audio tracks or subtitles.

Available settings: *English, Simplified/Traditional Chinese, Japanese, Spanish, French, German, Italian, Greek, Dutch, Russian.*

4.1.2 Text Encoding

The player's subtitle display supports a variety of different text encodings. Most subtitles will display correctly with Unicode (UTF8), but if a subtitle does not display correctly, try one of the other encoding languages.

Available settings: *Unicode (UTF8), Simplified Chinese (GBK), Traditional Chinese (BIG5), Japanese(S-JIS), Korean (EUC-KR), Western, Turkish, Central European, Greek, Cyrillic, Hebrew, South-East European.*

4.1.3 Time

This setting configures the date and time of the player's internal clock. Setting the date and time of the player is optional and the player will function correctly even if the date and time is not set. Use the directional **LEFT**/**RIGHT** buttons to choose date or time field, and **UP**/**DOWN** buttons to change field value. When finished, press **OK**/**ENTER** to save the date and time entered.

4.1.4 R/RW Auto-Play

When this setting is turned on, the player will automatically play any DVD-R/RW disks detected in an attached DVD-ROM drive. **Note:** only unencrypted DVDs are supported.

Available settings: *On, Off*

4.1.5 Screen Saver

The screen saver function displays a small moving icon on a black background when the player has been inactive for a period of time. This feature is useful for preventing image burn-in on TVs or HDTVs with a CRT or plasma display.

Available settings:

Setting	Description
Timing	Sets the period of inactivity after which the player will display the screen saver. Available values are *Off, 2 Minutes, 5 Minutes, 10 Minutes.*
Options	Sets the image that's displayed by the screen saver. Default – A small image icon will be displayed. Photo Album – Photos from an available storage device will be displayed. If the storage device is removed, this setting will revert back to default.

4.1.6 MliniKBD Language

This setting is used to select the language for the on-screen keyboard. The on-screen keyboard will only display automatically when it is needed.

Available settings: *English (Lower Case), Chinese (Zhu Yin), Chinese (Traditional), Chinese (Simplified)*

4.1.7 Scan Storage

The player uses a media library for organizing media files that it finds on available storage devices. While the media library feature is optional, its use is strongly recommended for the best user experience.

The player builds its media library by scanning available storage device for media files. The scanning takes place in the background while the user continues to use the player normally. The first time a storage device is scanned, the time it takes to fully scan the device may be quite long if there are numerous media files.

While scanning, the player's user interface responsiveness may degrade but remain usable. If the user starts playing a media file while the scanning is taking place, the scan will be paused and resume when playback is finished.

Each time the player is turned on, or when the storage device is temporarily removed and made available again, the player will do a quick scan of the storage devices to detect any changes and update the media library.

The Scan Storage setting adjusts the way in which the player will scan for media files on available storage devices.

Available settings:

Setting	Description
Auto Scan On	Each time a storage device is detected by the player, it will be scanned for media files.
Auto Scan Off	The player will not automatically scan any available storage devices. The media library will not be updated.
Rescan Storage	Manually initiate a scan of available storage devices.

Stop Scanning	Manually stop all current active storage scans.

Note: The scanning process creates a file and folder on the root directory of each scanned storage device. This file and folder contains media library data and should not be deleted. If deleted, the player will need to perform a new scan to rebuild the media library.

4.1.8 Resume Play

This setting configures whether the player will offer to resume playback at the last stop point when the user starts to play a video that was played recently. When turned on, the player will prompt the user to resume play back or cancel and start playing from the beginning of the video.

Available settings: *On, Off*

4.1.9 Format

For best performance and compatibility, hard drives should be formatted using a Windows based PC using the following parameters:

- MBR Partition Table, NTFS file system, no compression.

To use the player to format a hard disk drive, first make sure all data is copied or moved off of the hard drive before formatting as all data will be permanently erased in the format process. To format the HDD, follow these steps:

1) Connect the hard disk drive to the player
2) Select Format from the Setup → System menu
3) Select External HDD from the list and press **OK**/**ENTER** on the remote control
4) A warning screen will be displayed asking the user to confirm the format. All data on the hard drive will be erased after the format is complete. To continue highlight OK on the screen and press **OK**/**ENTER** on the remote control. To cancel without formatting the hard drive, highlight Cancel and press **OK**/**ENTER**.
5) A last and final confirmation screen will be shown. To go back without formatting, highlight Back on the screen and press **OK**/**ENTER** on the remote control. To proceed with format, highlight Format and press **OK**/**ENTER**. While formatting, the progress bar will rotate.
6) When finished, the player will prompt the user to press **OK**/**ENTER** on the remote control to return to the home screen.

Note: The player will format the hard disk drive with NTFS file system.

4.1.10 Factory Default

This setting will restore all settings back to factory default.

4.2 Audio Settings

4.2.1 Night Mode

When turned on, night mode compresses the dynamic range of audio output by the player. This allows the quiet sounds of a movie to be more clearly heard while lowering the volume of loud

sounds so as not to bother other people in the home.

Available settings: *Off, On, Comfort*

4.2.2 HDMI Output

HDMI Output sets the format of the digital audio carried over the player's HDMI output.

Available settings:

Setting	Description
RAW	Audio is sent without being decoded by the player. The TV or home theater receiver must be able to decode the audio. This setting is also known as "bit stream output". Use this setting for best audio quality if using a home theater receiver with HDMI audio capabilities.
LPCM	Audio is decoded by the player and down-mixed into two channels for output over HDMI. Use this setting if the TV or home theater receiver lacks multi-channel audio decoding capabilities (i.e. Dolby Digital, DTS).
LPCM Multi-Ch	Audio is decoded by the player and output over HDMI. Multi-channel soundtracks will not be down-mixed into fewer channels. Use this setting if the home theater is a multi-channel model but cannot decode raw multi-channel sound tracks.

4.2.3 SPDIF Output

SPDIF Output sets the format of the digital audio carried over the player's SPDIF coaxial output.

Available settings:

Setting	Description
RAW	Audio is sent without being decoded by the player. The TV or home theater receiver must be able to decode the audio. This setting is also known as "bit stream output". Use this setting for best audio quality if using a home theater receiver with multi-channel decoding capabilities.
LPCM	Audio is decoded by the player and down-mixed into two channels for output over HDMI. Use this setting if the TV or home theater receiver lacks multi-channel audio decoding capabilities (i.e. Dolby Digital, DTS).

4.3 Video Settings

4.3.1 Aspect Ratio

Aspect Ratio affects how the player will display content on the TV. It is very important to set the aspect ratio to match the TV, incorrect setting will result in distorted image output.

Available settings:

Setting	Description
Pan Scan 4:3	This is one of two settings for use with 4:3 TVs; both settings will correctly display 4:3 videos on a 4:3 TV. The difference is in how wide-

	screen video will be displayed. In Pan Scan 4:3 mode, wide screen videos will have the left and right side cut off, with the center portion of the image filling the 4:3 TV screen.
Letter Box 4:3	This is one of two settings for use with 4:3 TVs; both settings will correctly display 4:3 videos on a 4:3 TV. The difference is in how wide-screen video will be displayed. In Letter Box 4:3 mode, wide screen videos will be displayed with black bars on the top and bottom of the image.
16:9	Choose this setting if the TV has a 16:9 aspect ratio.
16:10	Choose this setting if the TV has a 16:10 aspect ratio. Many computer monitors have a 16:10 aspect ratio.

4.3.2 TV System

The player is able to output video in a wide range of video systems. Consult the TV/HDTV's manual for which video system it supports. For best results, configure the player's Video System setting to match the highest quality setting supported by the TV/HDTV.

Available TV System settings will change depending on the type of connection used to connect the player to the TV:

Connection Type	Available Settings
HDMI	*HDMI Auto / 480P / 720P 60HZ / 1080i 60HZ / 1080P 60HZ* **Recommended: HDMI Auto**
Component	*NTSC / PAL / 480P / 576P / 720P 50HZ / 720P 60HZ / 1080i 50HZ / 1080i 60HZ / 1080p 50HZ / 1080P 60HZ* **Recommended: Highest setting supported by the TV**
Composite	Same as component, but only NTSC and PAL settings will have effect **Recommended: NTSC**

Note: Consult section ***4.3.7 CVBS/YPbPr Switch*** for important information regarding component and composite video settings.

4.3.3 Video Zoom

When turned on, Zoom Out has the effect of zooming out slightly when playing video. This setting is useful when used with TVs that have severe over-scan problems.

Available settings:

Setting	Description
Off	Videos are displayed as normal. Use this setting unless the TV has severe over-scan problems.

On	Videos are displayed slightly zoomed out. Use this setting only if the TV has severe over-scan problems.

4.3.4 Digital Noise Reduction

The player can decrease the amount of noise in videos to improve playback quality.

Available settings:

Setting	Description
Auto	The player will automatically reduce the amount of noise in videos when necessary.
Off	The player will not perform any noise reduction.

4.3.5 1080P 24FPS

The player supports output of 1080P 24Hz at native timing. This mode provides the best result for when viewing 24FPS movies on a TV that supports 24Hz input signal.

Available settings:

Setting	Description
On	The player will output 24FPS video at native timing.
Off	The player will output all videos with 50/60Hz timing.

4.3.6 Deep Color

The player supports deep color output when a compatible TV is present. Normal TV displays support 24-bit color over HDMI while deep color TV displays support 30bit to 48bit color. It is recommended that this setting be left on Auto so that the player can automatically detect the optimal setting.

Available settings:

Setting	Description
Auto	The player will automatically detect the optimal setting
12 bit	The player will output 12 bits per channel for 36bit color output
10 bit	The player will output 10 bits per channel for 30bit color output
Off	The player will output 8 bits per channel for 24bit color output

4.3.7 CVBS/YPbPr Switch

When the player is connected using either the composite (CVBS) or component (YPbPr) video connection, this setting must be set to the appropriate value. Composite video and component video outputs cannot be used together at the same time. For convenience, the dedicated CVBS/YPbPr button on the remote control will toggle between composite or component video

outputs when pressed.

Available settings:

Setting	Description
CVBS	The player will output a video signal that is compatible with composite video. Component video output will look discolored and blurry.
YPbPr	The player will output a video signal that is compatible with component video. Composite video output will be blank, distorted, or in black and white.

4.4 MISC Settings

4.4.1 Version Info

This setting displays various system versions and dates. This information will be useful for determining whether a firmware update is available or needed.

4.4.2 USB Upgrade

When new firmware becomes available, the player can be updated with this setting. To update the firmware, follow these steps:

1) Download the firmware and place the “install.img” file onto the root directory (i.e. not in any folders) of a USB drive.
2) Plug the USB drive into an empty USB HOST jack on the player.
3) On the player, navigate to the USB Upgrade setting and press **OK**/**ENTER** on the remote control.
4) Wait for the player to complete the firmware update. Please be patient as it may take several minutes to complete, during which the screen may be blank or show “no signal”. Do not interrupt the process or power off the player.
5) When finished, the player will show the initial setup screen (See ‘***3.5.2 Initial Setup***’)

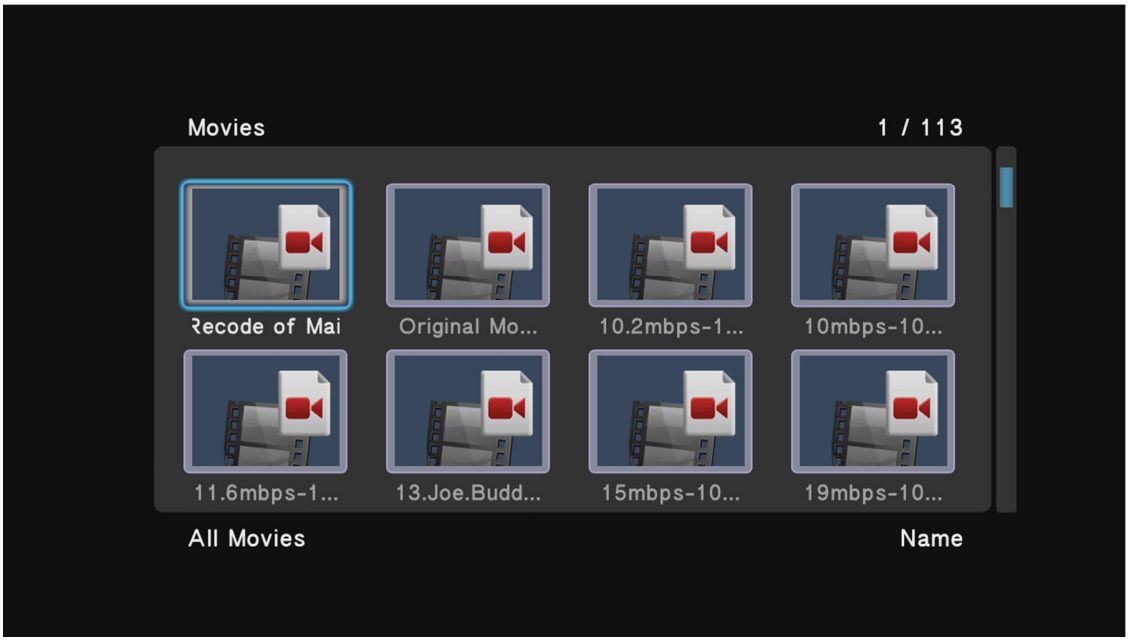
5 Media Library

The player maintains a media library of all media files found on available storage devices such as USB flash drives, USB hard drives, and SD/SDHC flash memory cards. For details on how the player builds the media library, please see section ***4.1.7 Scan Storage***.

Once the media library is built, the Movies, Music, and Photo categories will be populated with media content. To access the media library, select the Movies, Music or Photo icon from the home screen.

5.1 Browsing and Playing Movies

To view movies and video files in the media library, select the Movies icon from the home screen. By default, video files will be listed in thumbnail view in alphabetical order. Use the **LEFT/RIGHT/UP/DOWN** buttons on the remote control to highlight a video and press **OK/ENTER** to play the highlighted video.



While browsing videos, the following remote control functions can be used for navigation:

Button	Description
UP/DOWN/LEFT/RIGHT	Move the cursor to highlight video files
PREV/NEXT	Go to previous or next page
OK/ENTER	Play the selected video file
RETURN	Return to the home screen
OPTION	Display the additional operations menu (Please see below)

5.1.1 Movie Browsing Options

The option menu when browsing video provides access to additional browsing features and capabilities. To access the option menu, press the **OPTION** button on the remote.

Setting	Description
Search	Search for a movie by name. An on-screen keyboard will be shown. Enter the first few letters of a movie, select OK, and all matching videos in the media library will be shown. To see the entire list of movies again, open the options menu and select All Movies.
Thumbnails	All video files in the media library will be shown as thumbnail icons.
List	All video files in the media library will be shown as a list.
Preview	All video files in the media library will be shown as a list, highlighting a video will cause the video to begin playing in a small preview box on the right side of the screen.
All Show DVDs	Show only DVD-type files, such as VOB, IFO, ISO, and VIDEO_TS
Go to Folder	Exit from the media library browser and go to the folder of the currently highlighted video.
Name	Sort videos by name
Size	Sort videos by size
Most Viewed	Sort videos by number of times viewed
Recently Added	Sort videos by date/time added to the media library

5.1.2 Video Playback Controls

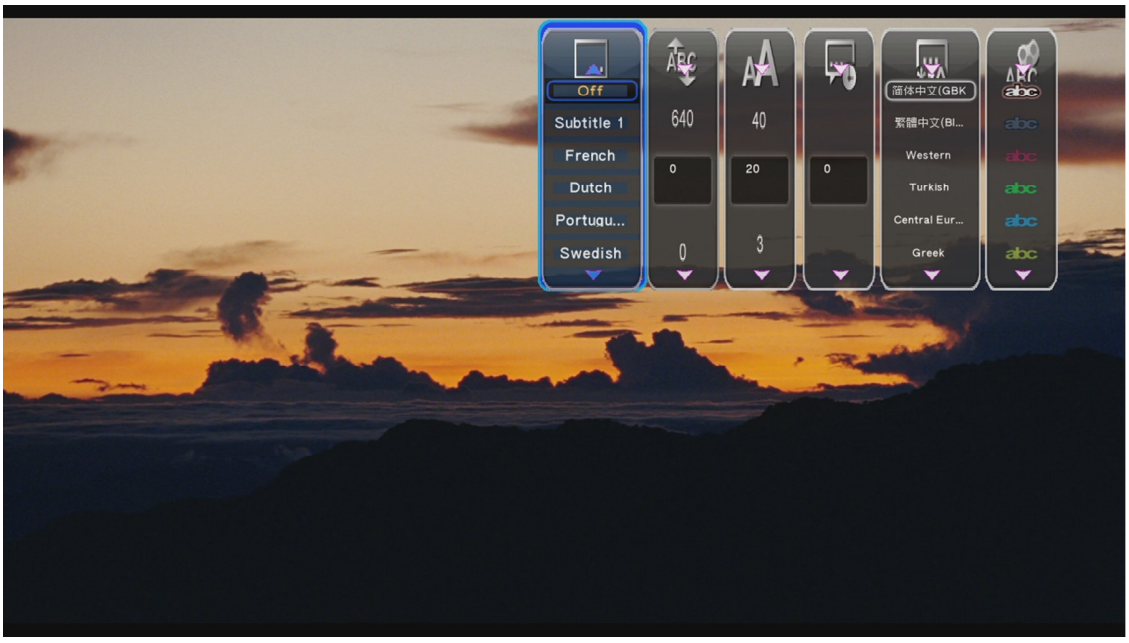
During video playback, the following remote control commands are available:

Button	Description

PLAY/PAUSE	Press to play or pause the current video.
STOP	Press to stop playback.
SLOW	Press to playback in slow motion.
FAST FORWARD	Press to fast forward the current playback. Press repeatedly to change fast forward speed.
FAST REWIND	Press to fast rewind the current playback. Press repeatedly to change fast rewind speed.
PREV	Press to go to the previous video.
NEXT	Press to go to the next video.
REPEAT	Press to set repeat option when viewing videos: repeat title, repeat all, and repeat off.
ZOOM	Press to zoom when viewing photos or playing videos. Video zoom levels: 2x, 3x, 4x, 8x.
DISPLAY	Press to display information about the current videos.
GOTO	Press to jump to a specific time mark when playing a video.
AUDIO	Press to change audio tracks for the current video.
SUBTITLE	Press to open the subtitle menu for the current video.
A-B	Press to set A-B points when viewing a video and loop
OPTION	Press to display optional settings when viewing video.

5.1.3 Video Subtitle Menu

When subtitles are available, the subtitle menu can be used to configure how subtitles are displayed. To use the subtitle menu, press the **SUBTITLE** button while viewing a video.

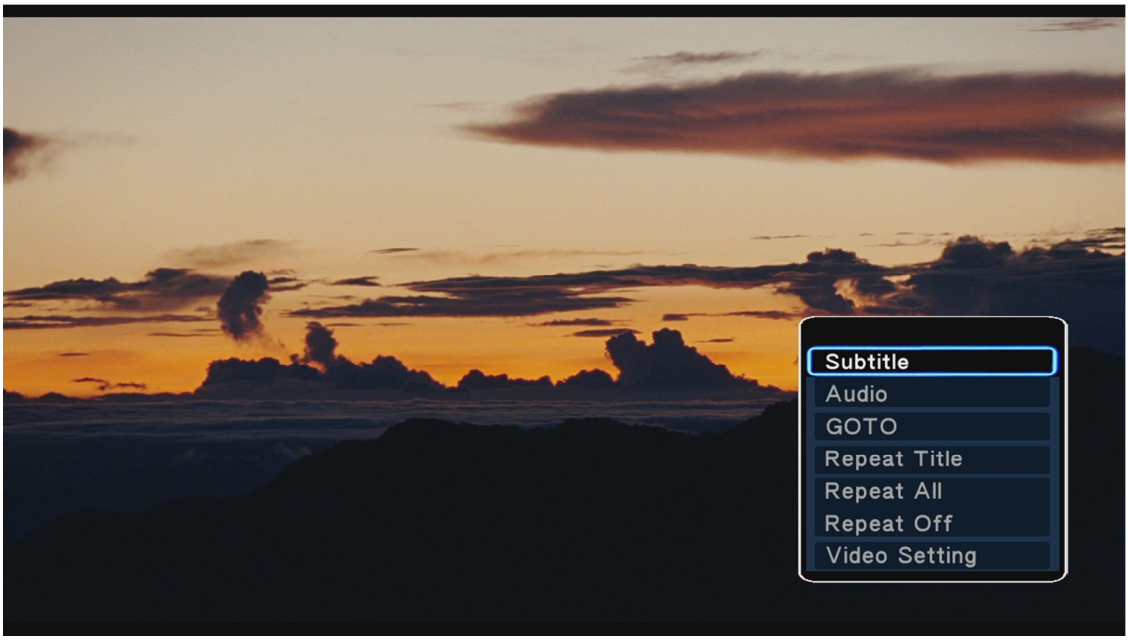


Setting	Description
Subtitle	Displays a list of available subtitles for the current video, and the currently selected subtitle. Change this setting to select different subtitles.
Offset	All subtitles will be centered on the screen, but how far the subtitle is from the bottom of the screen can be adjusted through this setting.
Size	The size of the subtitle can be enlarged or reduced through this setting.
Time Sync	Some subtitles are not perfectly in sync with the video, which happens mostly with external subtitle files. This setting can be used to adjust the time sync between the video and the subtitle display.
Text Encoding	Most subtitles will display correctly with Unicode(UTF8), but if a subtitle does not display correctly, try one of the other encoding settings.
Color	The color of the subtitle display can be changed for better visibility.

5.1.4 Movie Playback Options

The option menu provides on-screen access to some of the features that are otherwise available through buttons on the remote control. This menu can be helpful when the buttons are hard to see, such as in dim light.

To use the subtitle menu, press the **OPTION** button while viewing a video.

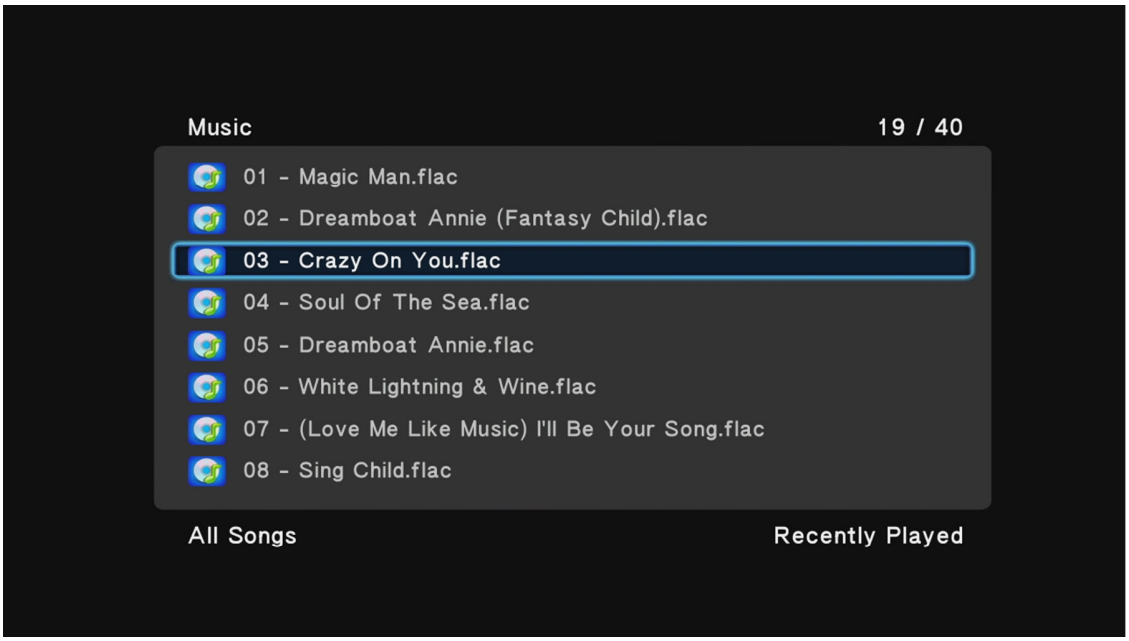


Setting	Description
Subtitle	Select to view the subtitle menu for the current video.
Audio	Select to view available audio tracks for the current video.
Repeat Title	Select to repeat the current video.
Repeat All	Select to repeat all videos in the media library.

Repeat Off	Select to turn repeat off.

5.2 Browsing and Playing Music

To play music files in the media library, select the Music icon from the home screen. By default, video files will be listed in list view in alphabetical order. Use the **UP/DOWN** buttons on the remote control to highlight a video and press **OK/ENTER** to play the highlighted video.

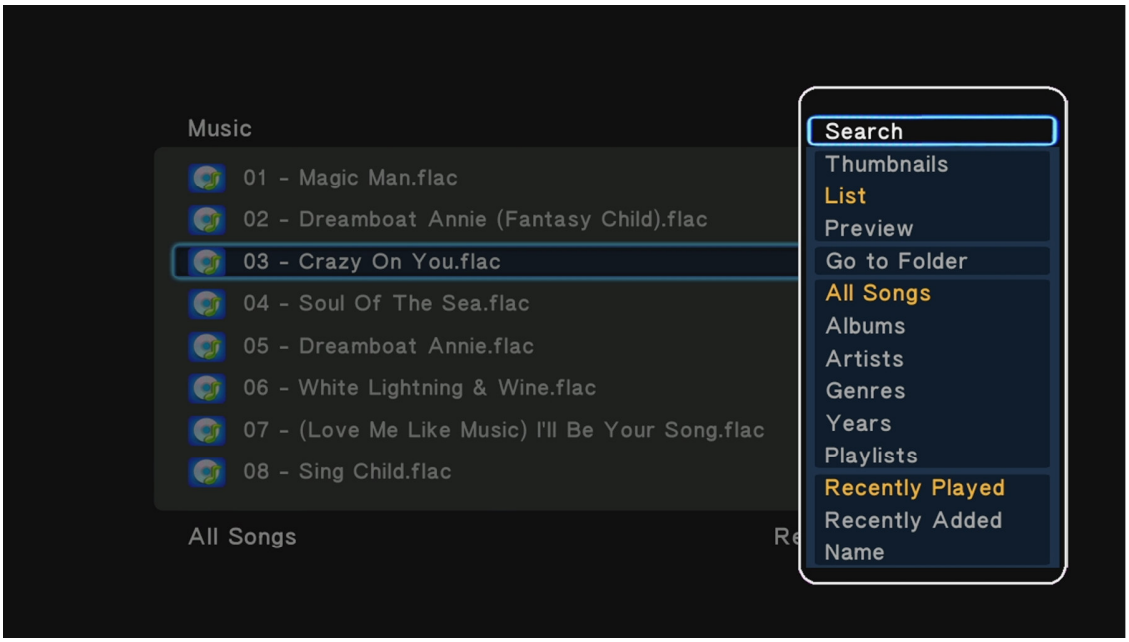

Music
19 / 40
01 - Magic Man.flac
02 - Dreamboat Annie (Fantasy Child).flac
03 - Crazy On You.flac
04 - Soul Of The Sea.flac
05 - Dreamboat Annie.flac
06 - White Lightning & Wine.flac
07 - (Love Me Like Music) I'll Be Your Song.flac
08 - Sing Child.flac
All Songs
Recently Played

While browsing music, the following remote control functions can be used for navigation:

Button	Description
UP/DOWN	Move the cursor to highlight music files
PREV/NEXT	Go to previous or next page
OK/ENTER	Play the selected music file
RETURN	Return to the home screen
OPTION	Display the additional operations menu (Please see below)

5.2.1 Music Browsing Options

The option menu when browsing music provides access to additional browsing features and capabilities. To access the option menu, press the **OPTION** button on the remote.



Setting	Description
Search	Search for a music file by name. An on-screen keyboard will be shown. Enter the first few letters of a file, select OK, and all matching music files in the media library will be shown. To see the entire list of movies again, open the options menu and select All Songs.
Thumbnails	All music files in the media library will be shown as thumbnail icons.
List	All music files in the media library will be shown as a list.
Preview	All music files in the media library will be shown as a list, highlighting a music file will cause the file's info and thumbnail displayed in a preview box on the right side of the screen.
Go to Folder	Exit from the media library browser and go to the folder of the currently highlighted music file.
All Songs	Display all songs
Albums	Display by albums
Artists	Display by artists
Genres	Display by genres
Years	Display by years
Playlists	Display by available playlists
Recently Played	Sort music files by recently played
Recently Added	Sort music files by date/time added to the media library
Name	Sort music files by name

5.2.2 Music Playback Controls

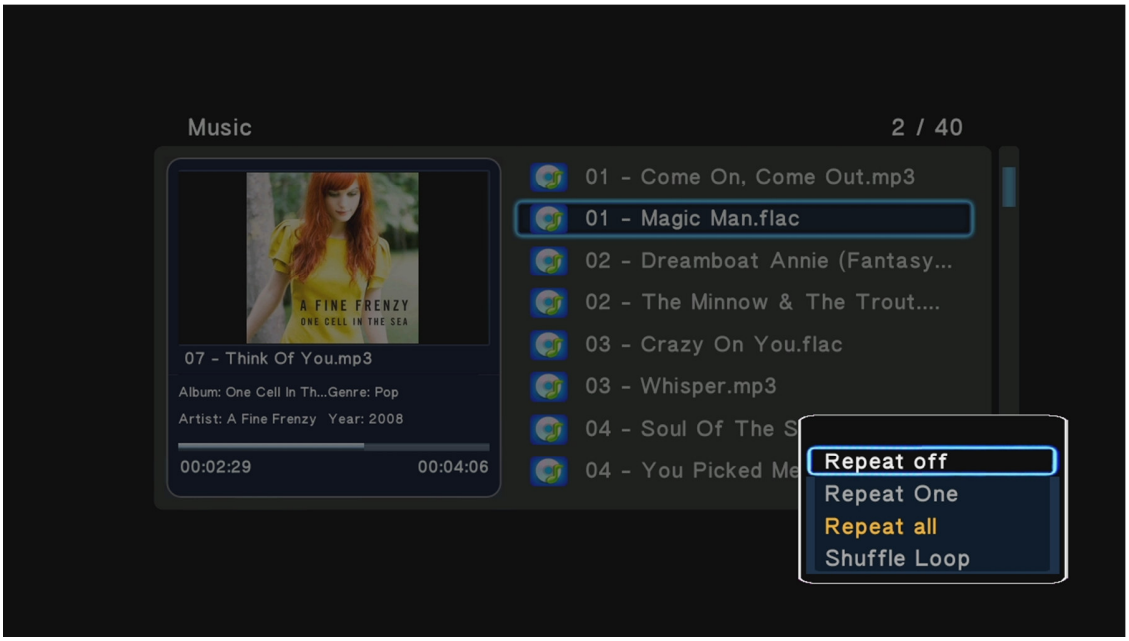
During music playback, the following remote control commands are available:

Button	Description
PLAY/PAUSE	Press to begin playback, press again to pause.
STOP	Press to stop playback.
FAST FORWARD	Press to fast forward the current playback. Press repeatedly to change fast forward speed.
FAST REWIND	Press to fast rewind the current playback. Press repeatedly to change fast rewind speed.
PREV	Press to go to the previous song.
NEXT	Press to go to the next song.

While a song is playing, the user can navigate out of the current folder and browse other folders without affecting playback, the song will continue to play.

5.2.3 Music Playback Options

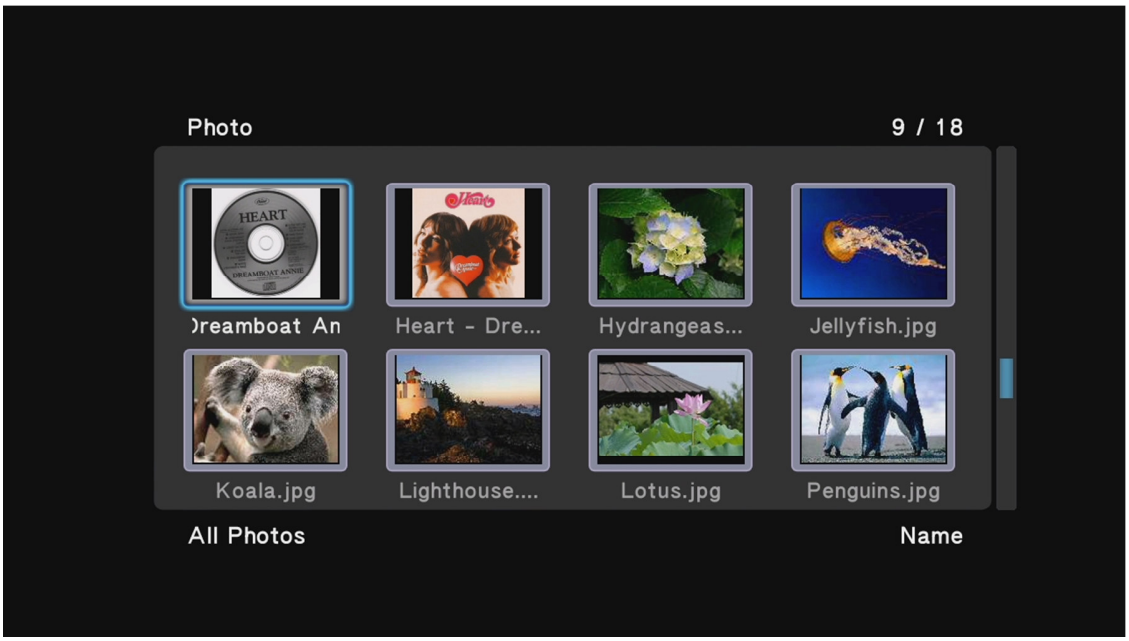
The option menu provides on-screen access to additional music playback options. To use the subtitle menu, press the **OPTION** button while playing a song.



Setting	Description
Repeat Off	Select to turn repeat off
Repeat One	Select to repeat only the current song
Repeat All	Select to repeat all songs in the media library
Shuffle Loop	Select to shuffle play all songs in the media library

5.3 Browsing and Viewing Photos

To view photos in the media library, select the Photo icon from the home screen. By default, photos will be listed in thumbnail view in alphabetical order. Use the **LEFT/RIGHT/UP/DOWN** buttons on the remote control to highlight a photo and press **OK/ENTER** to begin displaying a slide show starting with the current photo.

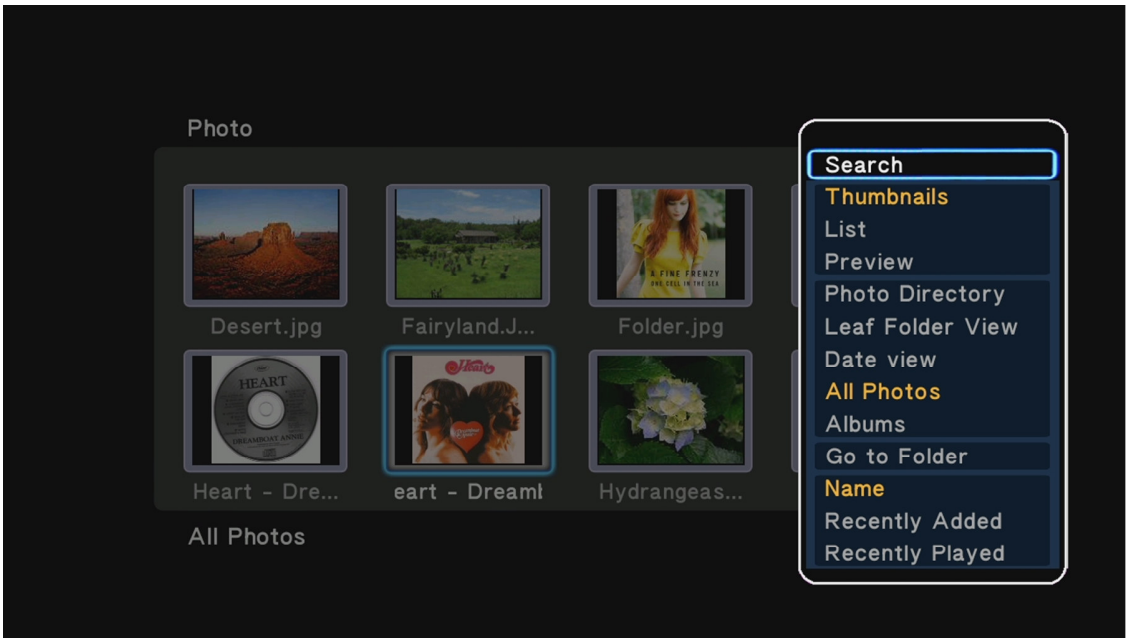


While browsing photos, the following remote control functions can be used for navigation:

Button	Description
UP/DOWN	Move the cursor to highlight photos
PREV/NEXT	Go to previous or next page
OK/ENTER	View the highlighted photo full screen
RETURN	Return to the home screen
OPTION	Display the additional operations menu (Please see below)

5.3.1 Photo Browsing Options

The option menu when browsing music provides access to additional browsing features and capabilities. To access the option menu, press the **OPTION** button on the remote.



Setting	Description
Search	Search for a photo by name. An on-screen keyboard will be shown. Enter the first few letters of a file, select OK, and all matching photos in the media library will be shown. To see the entire list of movies again, open the options menu and select All Photos.
Thumbnails	All photos in the media library will be shown as thumbnail icons.
List	All photos in the media library will be shown as a list.
Preview	All photos in the media library will be shown as a list, highlighting a photo will cause the file's info and thumbnail displayed in a preview box on the right side of the screen.
Photo Directory	Browse for photos by going through folders/directories
Leaf Folder View	All photos are organized into stacks based on their folder
Date View	All photos are organized into stacks based on their date
Albums	All photos are organized into stacks based on available albums
Go to Folder	Exit from the media library browser and go to the folder of the currently highlighted photo.
Name	Sort photos by name
Recently Added	Sort photos by date/time added to the media library
Recently Played	Sort photos files by recently viewed

5.3.2 Photo Viewing Controls

While viewing photos, the following remote control commands are available:

Button	Description

PLAY/PAUSE	Press to view photo full screen If Slide Show Timing is not set to Off, slideshow will start
STOP	Press to stop viewing photo full screen
PREV	Press to go to the previous photo.
NEXT	Press to go to the next photo.
ZOOM	When not viewing a slideshow, press to zoom in or out the image.
DISPLAY	Press to display information about the current photo.

Note: To play a slideshow, make sure that the Slide Timing setting in the option menu is not set to OFF.

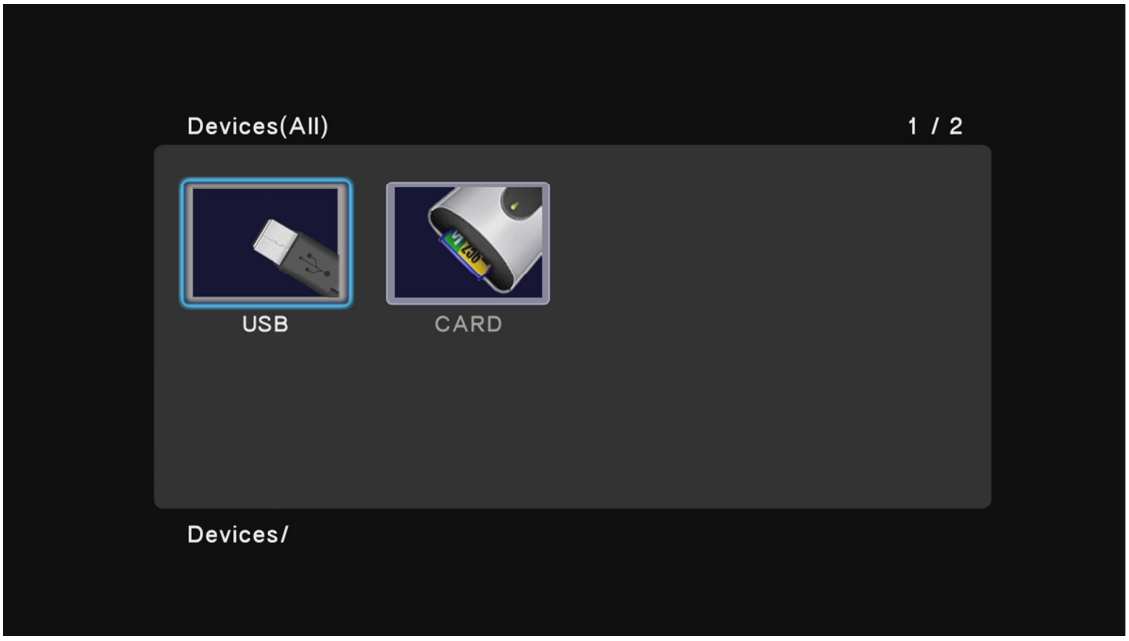
5.3.3 Photo Viewing Options

The option menu provides on-screen access to additional photo viewing options. To use the subtitle menu, press the **OPTION** button while viewing a photo full screen.

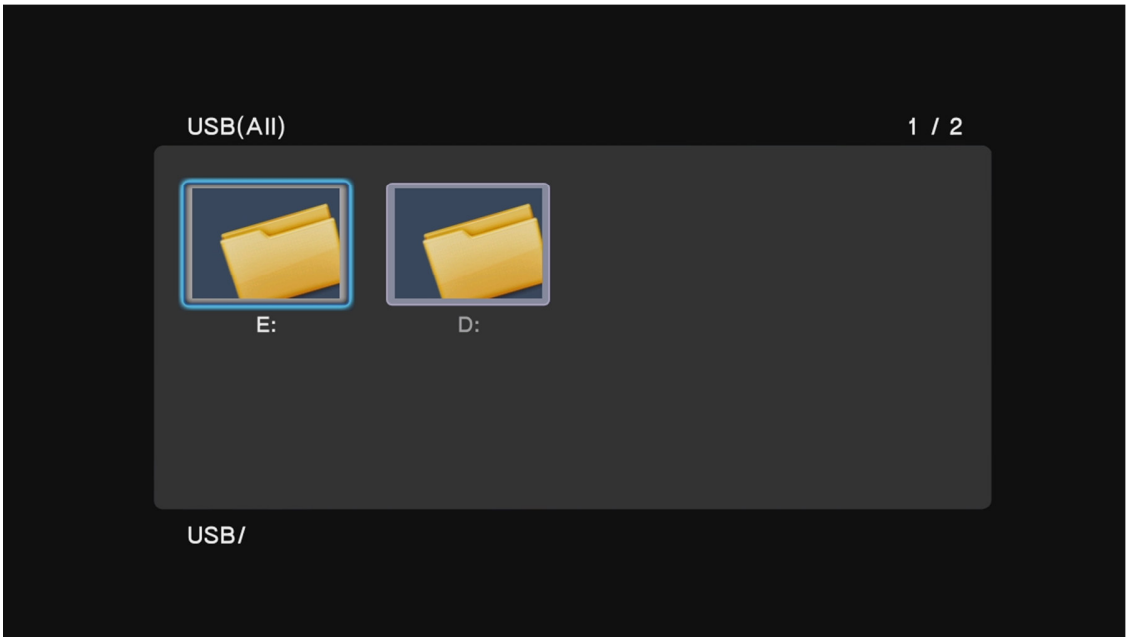
Setting	Description
Slide Timing	Sets the time delay between photos in a slideshow
Slide Transition	Sets the transition effect between photos in a slideshow
Repeat Off	Select to set repeat to off
Repeat All	Select to repeat all photos in the media library
Shuffle Loop	Select to shuffle view all photos in the media library
Background Music	Select to set music for playback as background music during slideshow

6 File Browser

While the media library is easy and convenient to use, the file browser presents an alternate way to browse and play media files. The file browser also contains additional functionalities not available through the media library, such as file copying/deleting/renaming, and creation of playlists. To access the file browser, select the File icon from the home screen. A list of available storage devices types will be shown:



Select a storage device type and all available storage devices of the select type will be show. The following image shows a case where there are two USB storage devices available:

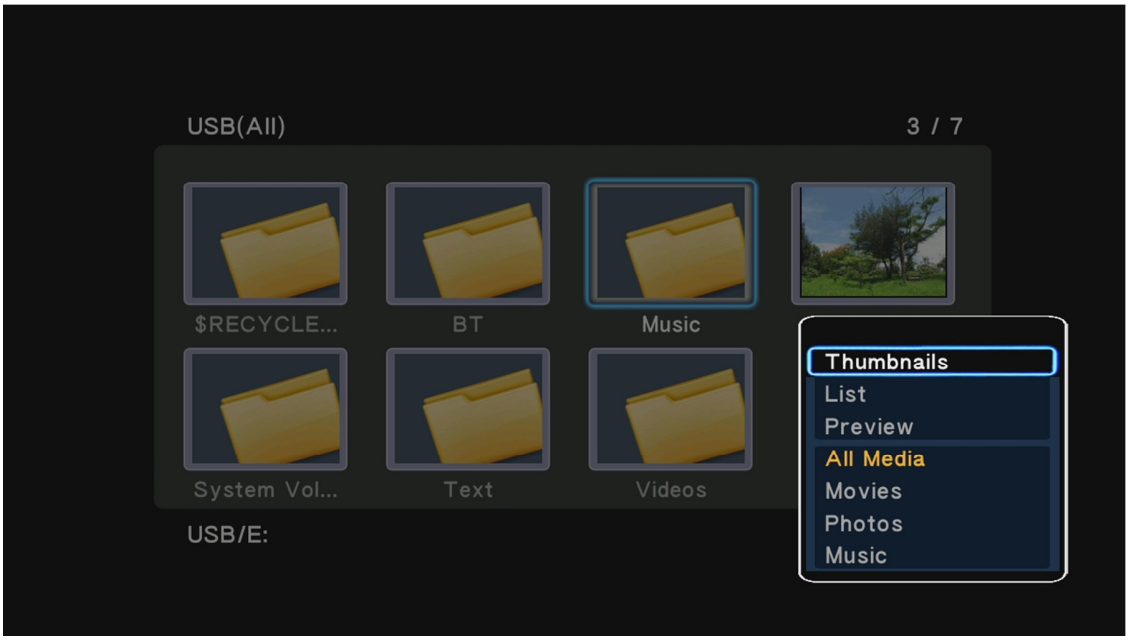


Navigating through a storage device is similar to navigating the folders on a computer. While using the file browser, the following remote control commands are available:

Button	Description
UP/DOWN/LEFT/RIGHT	Move the cursor to highlight files or folders
PREV/NEXT	Go to previous or next page
OK/ENTER	Enter the highlighted folder, or play the selected media file
RETURN	Return to the previous screen or exit from the current folder
OPTION	Display the additional operations menu (Please see below)
GREEN	Display the file operations menu (Please see below)

6.1.1 File Browsing Options

The option menu when browsing files provides access to additional browsing features and capabilities. To access the option menu, press the **OPTION** button on the remote.



Setting	Description
Thumbnails	All files and folders will be shown as thumbnail icons.
List	All files and folders will be shown as a list.
Preview	All files and folders will be shown as a list, highlighting a file or folder will cause the file's info and thumbnail to be displayed in a preview box on the right side of the screen.
All Media	The file browser will show all files media files on the storage device
Movies	The file browser will only show movie files found on the storage device
Photos	The file browser will only show photo files found on the storage device

Music	The file browser will only show music files found on the storage device

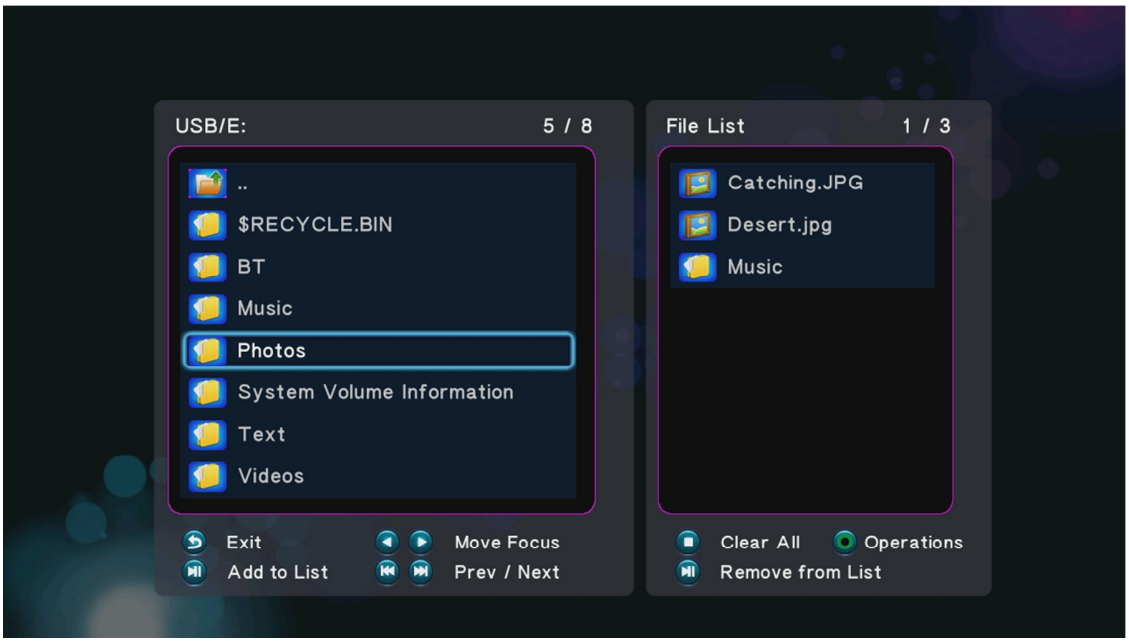
6.1.2 File Operations

The file browser has the capability to rename, copy, or delete files. It can also create music file playlists and photo albums. To access the file operations menu, press the **GREEN** button on the remote while highlighting a file or folder in file browser.

Setting	Description
Copy	Copy the highlighted file or folder – the user will be prompted to select the destination location
Delete	Delete the highlighted file or folder
Move	Move the highlighted file or folder – the user will be prompted to select the destination location
Rename	Rename the highlighted file or folder
Edit Playlist	If the highlighted file is a .M3U playlist file, it can be edited by selecting this option, such as for deleting or adding songs.
Edit Photo Album	If the highlighted file is a photo album file, it can be edited by selecting this option, such as for deleting or adding photos.
Multiple Select	Perform copy, delete, move, create playlist, or create photo album on multiple files or folders.

6.1.3 Multi-File Operations

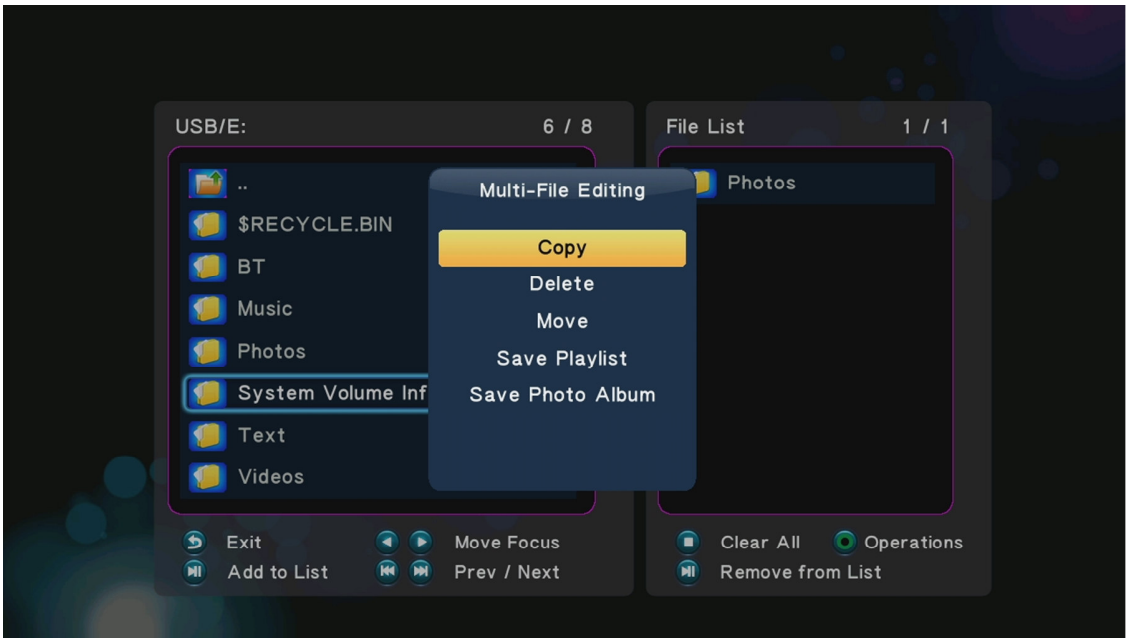
To perform file operations on multiple files, first press the **GREEN** button on the remote while highlighting a file or folder in file browser, then select Multiple Select from the file operations menu. The multi-file operations menu will display:



The multi-file operations menu has two sections, the right section is a file/folder browser box, the left section shows files and fodders that have been selected. While in the multi-file operations menu, the following remote control commands are available:

Button	Description
UP/DOWN	Move the cursor to highlight files or folders
LEFT/RIGHT	Switch between the left or right boxes of the menu
OK/ENTER	Enter the highlighted folder – to exit from the current folder, highlight the ".." folder at the top – DO NOT press the RETURN button.
PREV/NEXT	Go to previous or next page
PLAY/PAUSE	Add or remove the current file or folder from the list
STOP	Clears all files or folders from the file list
GREEN	Display the file operations menu (Please see below)

After adding the desired files or folders to the file list, press the GREEN button on the remote to initiate multi-file operations.



Setting	Description
Copy	Copy the list of files or folders – the user will be prompted to select the destination location
Delete	Delete the list of files or folders
Move	Move the list of files or folders – the user will be prompted to select the destination location
Save Playlist	If the list of files or folders contains music files, they can be added together into a new playlist. The user will be prompted to enter a name for the playlist.
Save Photo Album	If the list of files or folders contains photos, they can be added together into a new photo album. The user will be prompted to enter a name for the album.

Once a playlist or album is created, it will be available in the media library for future use.